

**AMENDMENTS TO THE SPECIFICATION:**

Please amend the specification as follows:

The substituted sequence listing submitted herewith will replace all prior versions of sequence listings in this application.

Please replace the paragraph beginning at page 3, line 13 with the following amended paragraph:

**Description of the Figures**

Figure 1: 2OG binding site.

Figure 2: binding of Asn-803.

Figure 3: conformation of CAD at site 1 (SEQ ID NO: [[24]]33).

Figure 4: conformation of CAD at site 2 (SEQ ID NO: [[25]]34).

Figure 5: figure indicating the turn formed by 802-804 of HIF-CAD at the active site of FIH.

Figure 6: conformation of the turn formed by residues 802-804 of HIF-CAD at the active site of FIH.

Please replace the paragraph beginning at page 41, line 26, with the following amended paragraph:

Table 2. Partial sequence alignment of FIH with a selection of JmjC domain containing proteins (SEQ ID NOS 4-[[20]]29, respectively, in order of appearance, with sequences containing gaps, denoted by “(#), presented as with separate sequence identifiers). FIH secondary structure is indicated above the alignment. Selected 2OG binding residues found in FIH are indicated by dark triangles under the alignment and the two iron binding residues by light triangles. SWALL accession numbers are indicated on the left of the alignment.

Please replace the following paragraph immediately after the paragraph beginning at page 41, line 26 with the following paragraph:

Table 3. Coordinates for crystal structures 1, code 1H2K (SEQ ID NOS [[21-22]]30-31), 2, code 1H2L (SEQ ID NOS [[21-22]]30-31), 3, code 1H2M (SEQ ID NOS [[21]]30 and [[23]]32) and 4, code 1H2N (SEQ ID NO [[21]]30).